

Abstract

The speaker comprises a ring-shaped frame 110, a magnetic circuit section 120, a vibration section 130, a terminal 140, a tinsel wire 145, and a weight ring 150.

5 The ring-shaped frame 110 has a through hole formed in the center of thereof. The magnetic circuit section 120 is coupled to the outside of the through hole. The vibrating section 130 include a diaphragm 131 with an upper end coupled to the inner side of the through hole at the upper

10 side of the frame 110, and a voice coil 133 having an upper end coupled to the diaphragm 131 and a lower end located in the magnetic circuit section 120. The tinsel wire 145 has one end connected to the terminal 140 and the other end connected to the voice coil 133. The weight ring 150 is

15 coupled to the outer surface of the voice coil 133. With this configuration, the weight ring coupled to the voice coil allows the weight of the voice coil 133 to be increase. Accordingly, the voice coil 133 has a large amplitude in a low frequency band, and then the efficiency of the low-

20 pitched sound range may be enhanced.